OHIO PUBLIC WORKS FOR YOU

IMPORTANT: <u>Applicant should consult the "Instructions for Completion of Project Application"</u> for assistance in the proper completion of this form.

SUBDIVISION:	DELHI TOWNS	HIP	CODE#_061 - 21504
DISTRICT NUMBER: 2	COUNTY:	HAMILTON	DATE: 08/28/96
CONTACT: (THE PROJECT CONTACT PERSON SHOULD BE TH SELECTION PROCESS AND WHO CAN BEST ANSW	E INDIVIDUAL WHO WILL BE	AVAILABLE ON A DAY-TO-DAY	E #:(513) 922-8609 Basis during the application review and
PROJECT NAME: Fehry	vood Subdivisior	n Reconstruction	
	DISTRICT RE	S660,636.00 Sce SCOFFERED FUNDING RE	
GRANT: \$ 660,636. LOAN: \$ %		OAN ASSISTANCE: ERM:yrs. (At	S tach Loan Supplement)
X State Capital Improvement Prog Local Transportation Improvem Small Government Program		DISTRICT MB Construction Procurement	E SET-ASIDE \$ \$
	· 在中,只有两些在中间并没有了。	कर्म्यः, संक्षेत्रे स्टब्स्यः, समित्रः व स्टब्स्यः	
	FOR OPV	VC USE ONLY	
PROJECT NUMBER: C // Local Participation % OPWC Participation % Project Release Date: / // OPWC Approval:			

1.0 PROJECT FINANCIAL INFORMATION

1.1	PROJECT ESTIMATED COSTS (Round to Nearest Dollar)	S:	1	Account
a.)	Project Engineering Costs: 1. Preliminary Engineering 2. Final Design 3. Other Engineer Services * Supervision \$ Miscellaneous \$	\$0.00 \$0.00 \$0.00 0.00	\$ 	\$
b.)	Acquisition Expenses: 1. Land 2. Right-of-Way	\$0.00 \$0.00		
c.)	Construction Costs:	\$ 695,505.00		
d.)	Equipment Purchased Directly:	\$0.00		
e.)	Other Direct Expenses:	\$0.00		
f.)	Contingencies:	\$ <u>38,535</u> .00		
g.)	TOTAL ESTIMATED COSTS:	\$ 734,040.00		
1.2	PROJECT FINANCIAL RESOU (Round to Nearest Dollar and Percent)	RCES:		
a.)	Local In-Kind Contributions	\$ 0.00		0%
b.)	Local Public Revenues	\$ 73,404.00		10%
c.)	Local Private Revenues	\$ 0.00		0%
d.)	Other Public Revenues			
	1. ODOT PID#	\$0.00		0%
	2. EPA/OWDA	\$ <u> </u>		0%
	3. OTHER	\$0.00		0%
SUB	TOTAL LOCAL RESOURCES:		\$73,404.00	10%
e.)	OPWC Funds			
-	1. Grant	\$ 660,636.00		90%
	2. Loan	\$ 0.00		0%
	3. Loan Assistance	\$0.00		0%
SUB	TOTAL OPWC RESOURCES:		\$660.636.00	-
f.) *Other E	TOTAL FINANCIAL RESOURC		\$734,040.00	100%

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a summary from the <u>Chief Financial Officer</u> listed in section 5.2 listing <u>all local share funds</u> budgeted for the project and the date they are anticipated to be available.

2.0 PROJECT INFORMATION

IMPORTANT: If project is multi-jurisdictional, information must be consolidated in this section.

2.1 PROJECT NAME: FEHRWOOD SUBDIVISION RECONSTRUCTION

2.2 BRIEF PROJECT DESCRIPTION - (Sections a through d):

a: SPECIFIC LOCATION:

Three street subdivision is located off of Orchardview Lane. Orchardview runs south off of Foley Road between Greenwell and Pedretti Roads.

PROJECT ZIP CODE: 45238

b: PROJECT COMPONENTS:

Project consists of full depth removal of roadway and curbs, undercutting existing subgrade to obtain proper depth for replacement on a 10" stone base, 5" of asphalt pavement, rolled concrete curb and gutter (30") and underdrains at all low points; sidewalk and driveway repair or replacement; and associated utility work. It also includes replacement of an undersized and functionally obsolete drainage system in the rear yards of 4702,4708 and 4716 Shadylawn to correct severe residential flooding.

c: PHYSICAL DIMENSIONS / CHARACTERISTICS:

Current roadways are 25' in width. Sidewalks are located within the right of way. Claymore and Shadylawn were overlaid in 1978 and continue to mask joint and roadway faulting which is evident on Angelnook. Water ponds on roadway due to uneven and broken slobs. Roadway lengths as follows Shadylawn = 1450.4 l.f., Claymore = 516.5 l.f., Angelnook = 201.5 l.f. Right of way width = 50 feet. Sidewalk is badly deteriorated and uneven. See additional support information for pavement management system roadway deficiencies.

d: DESIGN SERVICE CAPACITY:

IMPORTANT: Detail shall be included regarding current service capacity vs proposed service level. If road or bridge project, include ADT. If water or wastewater project, include both current residential rates based on monthly usage of 7,756 gallon per household. Attach current rate ordinance.

Current service capacity design is adequate for existing use. Highest ADT = 230 vehicles per hour x 1.2 or 276.

2.3 USEFUL LIFE / COST ESTIMATE: Project Useful Life: 20 Years.

Attach Registered Professional Engineer's statement, with original seal and signature certifying the project's useful life indicated above and estimated cost.

3.0 REPAIR/REPLACEMENT or NEW/EXPANSION:

TOTAL PORTION OF PROJECT REPAIR/REPLACEMENT State Funds Requested for Repair and Replacement			100% 90%
TOTAL PORTION OF PROJECT NEW/EXPANSION State Funds Requested for New and Expansion	\$ \$	0.00	0% 0%

4.0 PROJECT SCHEDULE:*

		BEGIN DATE	END DATE
4.1	Engineering/Design:	01/01/97	09/01/97
4.2	Bid Advertisement:	09/ 02 / 97	11/01/97
4.3	Construction:	11/02/97	09/01/98

^{*} Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be approved in writing by the Commission once the Project Agreement has been executed. Dates should assume project agreement approval/release on July 1st. of the Program Year applied for.

5.0 APPLICANT INFORMATION:

		dillion.
5.1	CHIEF EXECUTIVE OFFICER TITLE STREET	NICHOLAS J. LASCALEA TOWNSHIP TRUSTEE 943 NEEB ROAD
	CITY/ZIP PHONE FAX	CINCINNATI, OHIO 45233 (513) 922 - 3111 (513) 922 - 9315
5.2	CHIEF FINANCIAL OFFICER TITLE STREET	KENNETH J. RYAN TOWNSHIP CLERK 934 NEEB ROAD
	CITY/ZIP PHONE FAX	CINCINNATI, OHIO 45233 (513) 922 - 3111 (513) 922 - 9315
5.3	PROJECT MANAGER TITLE STREET	ROBERT W. BASS HIGHWAY SUPERINTENDENT 665 NEEB ROAD
	CITY/ZIP PHONE FAX	CINCINNATI, OHIO 45233 (513) 922 - 8609 (513) 922 - 8635

6.0 ATTACHMENTS/COMPLETENESS REVIEW:

Check each section below, confirming that all required information is included in this application.
X A certified copy of the legislation by the governing body of the applicant authorizing a designated official to submit this application and execute contracts. (Attach)
X A summary from the applicant's Chief Financial Officer listing all local share funds budgeted for the project and the date they are anticipated to be available. (Attach)
X A registered professional engineer's estimate of projects useful life and cost estimate, as required in 164-1-14 and 164-1-16 of the Ohio Administrative Code. Estimates shall contain engineer's original seal and signature. (Attach)
n/aA copy of the cooperation agreement(s) if this project involves more than one subdivision or district.(Attach)
X Capital Improvements Report: (Required by 164 O.R.C. on standard form) X A: Attached. B: Report/Update Filed with the Commission within the last twelve months.
n/a Floodplain Management Permit: Required if project is in 100 year floodplain. See Instructions.
n/a Supporting Documentation: Materials such as additional project description, photographs, economic impact

7.0 APPLICANT CERTIFICATION:

committee in ranking your project.

The undersigned certifies that: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) that to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) that all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving minority business utilization, Buy Ohio, and prevailing wages.

(temporary and/or full time jobs likely to be created as a result of the project), and other information to assist your district

IMPORTANT: Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement on this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding of the project.

Nicholas J. La Sonka-CEO

Certifying Representative (Type or Print Name and Title)

Micholas Advanca (Egglas)

Signature/Date Started

ITEM	202 CLEAR &	202 RDWAY	202 PIPE	202 WALK	202 APRON	202 INLET		203 EXC.	301 BIT. AGG.	304 AGG.
	פעטפ	KEWOVAL K	KEMOVAL	KEMOVAL	KEMOVAL	REMOVAL	REMOVAL		BASE	BASE
MEASURE	L.S.	S.Y.	i.i.	S.F.	S.Y.	EA.	EA.).	S. Y.	S.
COST PER	\$7,800.00	\$10.00	\$10.00	\$2.00	\$8.00	\$160.00	\$400.00	\$15.00	\$90.00	\$25.00
NO. STREET										
1 Shadylawn	0.00	3,710.00	300.00	8,260.00	660.00	5.00	7.00	620.00	360.00	1 030 00
Subtotal	\$0.00	\$37,100.00	\$3,000.00	\$16,520.00	\$5,280.00	\$800.00	\$2,800.00	\$9,300.00	\$32,400.00	\$25,750.00
2 Claymore	0.00	1,435.00	120.00	2,960.00	200.00	2.00	5.00	280.00	140.00	400.00
Subtotal	\$0.00	\$14,350.00	\$1,200.00	\$5,920.00	\$1,600.00	\$320.00	\$2,000.00	\$4,200.00	\$12,600.00	\$10,000.00
3 Angelnook	0.00	560.00	60.00	1,195.00	75.00	1.00	3.00	125.00	55.00	156,00
Subtotal	\$0.00	\$5,600.00	\$600.00	\$2,390.00	\$600.00	\$160.00	\$1,200.00	\$1,875.00	\$4,950.00	\$3,900.00
Lump Sum	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	000
Subtotal	\$7,800.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contingencies	0.00	100.00	200.00	800.00	20.00	0.00	3.00	100.00	40.00	750.00
Subtotal	\$0.00	\$1,000.00	\$2,000.00	\$1,600.00	\$160.00	\$0.00	\$1,200.00	\$1,500.00	\$3,600.00	\$18,750.00
Total Quantity	1.00	5,805.00	680.00	13,215.00	955.00	8.00	18.00	1,125.00	595,00	2.336.00
Total Price	\$7,800.00	\$58,050.00	\$6,800.00	\$26,430,00	\$7,640.00	\$1,280,00	\$7,200,00	\$16,875,00	\$53,550,00	\$58 400 00

		404	452	604	604	605	809	809	609	609	614	619
	ITEM	A.C. CON.	P.P.C.	C.B.	M.H.	UNDER	SIDE	CURB	TYPE 6	CURB &	MAINT	FIFID
		SUR. RD.	CON. PMT.	CONST.	CONST.	DRAIN	WALK	RAMP	CURB	GUTTER	TRAFFIC	OFFICE
2	MEASURE	C. Y.	S. Y.	EA.	EA.	L.F.	S.F.	EA.		L.	L. S.	L.S.
S	COST PER	\$80.00	\$35.00	\$1,500.00	\$1,600.00	\$7.50	\$4.00	\$100.00	\$15.00	\$12.00	\$10,000.00	\$4,000,00
NO.	STREET											
1 Sha	Sharivlawn	155.00	BEN ON	00 4	9	00.020.0	00000	000				
	adylawii	00.001	00000	00.0	0.00	2,950.00	8,260.00	6.00	360.00	2,590.00	0.00	0.00
	Subtotal	\$12,400.00	\$23,100.00	\$7,500.00	\$9,600.00	\$22,125.00	\$33,040.00	\$600.00	\$5,400.00	\$31,080.00	\$0.00	\$0.00
2 Clay	Claymore	60.00	200.00	2.00	3.00	1,060.00	2,960.00	0.00	0.00	1,060.00	0.00	0.00
- 1	Subtotal	\$4,800.00	\$7,000.00	\$3,000.00	\$4,800.00	\$7,950.00	\$11,840.00	\$0.00	\$0.00	\$12,720.00	\$0.00	\$0.00
3 Ang	Angelnook	24.00	75.00	1.00	1.00	430.00	1,195.00	0.00	0.00	430.00	0.00	0.00
Sut	Subtotal	\$1,920.00	\$2,625.00	\$1,500.00	\$1,600.00	\$3,225.00	\$4,780.00	\$0.00	\$0.00	\$5,160.00	\$0.00	\$0.00
run	Lump Sum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
Sub	Subtotal	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000.00	\$4,000.00
ပ်	Contingencies	25.00	20.00	0.00	0.00	100.00	800.00	0.00	25.00	100.00	0.00	00.0
Sub	Subtotal	\$2,000.00	\$700.00	\$0.00	\$0.00	\$750.00	\$3,200.00	\$0.00	\$375.00	\$1,200.00	\$0.00	\$0.00
Tota	Total Quantity	264.00	955.00	8.00	10.00	4,540.00	13,215.00	6.00	385,00	4.180.00	1.00	1 00
Tota	Total Price	\$21,120.00	\$33,425.00	\$12,000.00	\$16,000.00	\$34,050.00	\$52,860.00	\$600.00	\$5,775.00	\$50,160,00	\$10,000.00	\$4,000,00

SST ET

		623	1100	SPL	SPL	623	
ITEM	×	LAYOUT	W.W.	FINISH	TENSAR	GEOTEX	
				OLYAPI.		LABRIC	
MEASURE	IIRE	σ. 	U	٥	> 0	> 0	
		ij		F. O.	٥.٢.	Ö.Y.	
							TOTAL
COST PER	PER	\$8,000.00	\$200,000.00	\$13,000.00	\$3.00	\$2.00	COST
							49
NO. STREET	EET						
1 Shadylawn	wn	00'0	0.00	0.00	3,710.00	3.710.00	
Subtotal		\$0.00	\$0.00	\$0.00	\$11,130.00	\$7,420.00	\$296,345.00
2 Claymore	re Te	00.0	0.00	0.00	1,435.00	1,435.00	
Subtotal		\$0.00	\$0.00	\$0.00	\$4,305.00	\$2,870.00	\$111,475.00
3 Angelnook	ok	00.0	0.00	0.00	560.00	560.00	
Subtotal		\$0.00	\$0.00	\$0.00	\$1,680.00	\$1,120.00	\$44,885.00
Lump Sum	шп	1.00	1.00	1.00	0.00	0.00	
Subtotal		\$8,000.00	\$200,000.00	\$13,000.00	\$0.00	\$0.00	\$242,800.00
Contingencies	encies	0.00	0.00	0.00	100.00	100.00	
Subtotal		\$0.00	\$0.00	\$0.00	\$300.00	\$200.00	\$38,535.00
Total Quantity	antity	1.00	1.00	1.00	5,805.00	5,805.00	\$734,040.00
Total Price	ce	\$8,000.00	\$200,000.00	\$13,000.00	\$17,415.00	\$11,610.00	\$734,040.00

This is to certify that upon the satisfactory completion of this work, the useful life of the streets on this project will be at least 20 years.



STATUS OF FUNDS

This is to certify that Delhi Townships portion of the funding for this project will become available on January 1, 1997.

Kenneth J. Ryan

Township Clerk & Chief Financial Officer



ENABLING LEGISLATION MOTION

Trustee Kruse moved and Trustee LaScalea seconded to apply to the District 2 Integrating Committee for the below mentioned projects and to appoint Nicholas J. LaScalea as Chief Executive Officer, Kenneth J. Ryan as Chief Financial Officer and Robert W. Bass as Project Manager.

Projects being requested for Issue 2 Infrastructure Bond Funding for Program Year 97

1.) Fehrwood Subdivision Reconstruction

\$ 734,040.00

2.) Robben Lane Reconstruction

\$ 519,291.00

Grand Total

\$ 1,253,331.00

Trustees Espelage, Kruse and LaScalea voted aye at roll call. Motion Carried.

Certificate of Clerk

It is hereby certified that the foregoing is a true and correct copy of a motion passed by the Delhi Township Board of Trustees in session on August 28, 1996.

In witness whereof I have hereunto set my hand this 28th day of August, 1996.

Kenneth J. Ryan, Township Clerk

PROJECT

SHAD LAW.
ANGALAW



CERTIFICATION OF TRAFFIC VOLUMN

This statement is to certify that traffic volumns noted for this project are true and correct to the best of my knowledge.

Nicholas J. LaSoalea

Delhi Township C.E.O

ADDITIONAL SUPPORT INFORMATION

For Program Year 1997 (July 1, 1997 through June 30, 1998), jurisdictions shall provide the following support information to help determine which projects will be funded. Information on this form must be accurate, and where called for, based on sound engineering principles. Documentation to substantiate the individual items may be required by the Support Staff if information does not appear to be accurate.

1) What is the condition of the existing infrastructure to be replaced, repaired, or expanded? For bridges, submit a copy of the current State form BR-86.

Closed		Poor	<u> </u>
Fair	•	Good	

Give a brief statement of the nature of the deficiency of the present facility such as: inadequate load capacity (bridge); surface type and width; number of lanes; structural condition; substandard design elements such as berm width, grades, curves, sight distances, drainage structures, or inadequate service capacity. If known, give the approximate age of the infrastructure to be replaced, repaired, or expanded.

Delhi Township's Independent Pavement Management System shows moderate to high severity deterioration in the categories of bond loss, patch deterioration, transverse cracking, reflective cracking, settlement, shattered slabs, potholes, pumping, raveling, spalling, joint seal damage, D-cracking, and faulting with low severity deterioration in the category of depressions and swells. Surface quality is fair to poor, joint quality is poor to very poor, support and structural quality is failed. Overall pavements are failed on all sections except for Shadylawn from Orchardview to the North end which is very poor. Drainage structure designed to handle rear yard surface drainage is failed.

2) If State Capital Improvement Program funds are awarded, how soon (in weeks or months) after receiving the Project Agreement from OPWC (tentatively set for July 1, 1997) would the project be under contract? The Support Staff will be reviewing status reports of previous projects to help judge the accuracy of a particular jurisdiction's anticipated project schedule.

	weeks/months (Circle one)			
Are	preliminary plans or engineering completed?	Yes	No	
Are	detailed construction plans completed?	Yes	No	
Are	all right-of-way and easements acquired?	Yes	No	N/A
*Ple	ease answer the following if applicable:			
No.	of parcels needed for project:	Of 1	these	how
many	are Takes, Temporary, Perm	aneni	t	
	separate sheet, explain the status of the RC ess for any parcels not yet acquired.	OW acc	quisit	cion
Are	all utility coordination's completed?	Yes	Ио	N/A
Give item	an estimate of time, in weeks or months, to above not yet completed6 week	comp	plete iths	any

3) How will the proposed project impact the general health, safety and welfare of the service area? (Typical examples may include the effects of the completed project on accident rates, emergency response time, fire protection, health hazards, user benefits, and commerce.) Please be specific and provide documentation if necessary to substantiate the data.

By re-establishing proper line and grade the street flooding which occurs on Claymore will be eliminated and by correcting all settlements and faulting on-street pooling of water will be eliminated. By increasing the pipe size and installing the proper inlet in the rear yards of 4702, 4708, and 4716 Shadylawn the rear yard flooding, which has caused 3.5 feet of water in these basements (May 1996), will be eliminated.

4)	What ty	pe of funds a pject?	are to be uti	lized for t	the local share for
	Federa		ODOT _		Local X
	MRF	<i>y</i>	OWDA		CD
	Other				
	Note:	MRF applicat	ion must have	e been filed	local share, the by August 1, 1996 County Engineer's
	(local COST.	share) must	be at least	10% of the	rant projects TOTAL CONSTRUCTION e being committed
	10	[%]			
5)	expansion examples morators	resulted in a on of use for s include wei lums or limit of the legisl tion. THE BAN	a complete or the involve ight limits, tations on is lation must b	partial bard infrastructured restrictured by suance of breather submitted	uilding permits.)
	Complete	Ban	Partial E	an	No Ban X
	Will the	ban be remo	ved after the	project is	completed?
	Yes	No			
6)	What is as a res	the total nuult of the p	mber of exis roposed proje	ting users t ct?	that will benefit
	230 user	$s \times 1.2 = 270$	6 ADT		
	documents currently documents sewers,	raffic by ation substa y has any r ad traffic co sanitary se as, multiply	1.20. For intiating the estrictions ounts prior to exert the exert of	or public count. Wh or is parti o the restri lines, ar	documented Average transit, submit nere the facility ially closed, use iction. For storm and other related ds in the service

7)	Has the jurisdiction developed a Five Year Capital Improvement Plan as required in O.R.C., chapter 164? (This must be included with the application to be considered for funding.)
	Yes X No
8)	Give a brief statement concerning the regional significance of the infrastructure to be replaced, repaired, or expanded.
	Regional significance is minimal since this is a purely
	residential subdivision.
9)	For expansion projects, please provide the existing and proposed Level of Service (LOS) of the facility using the methodology outlined within AASHTO'S "Geometric Design of Highways and Streets" and the 1985 Highway Capacity Manual.
	Existing LOS Proposed LOS
	If the proposed LOS is not a "C" or better, explain why LOS "C" cannot be achieved. (Attach separate sheets if necessary.)
	N/A

grants/scip/apps/blankasi

Road Inventory Form

				-			
5	Section Number: 348.00	State Route:	83			Inventory Date:	02/27/199
) 	Name: SHADYLAWN TERRACE					Completed By:	DAS
١	From: END (NORTH)					Jurisdiction:	Township
O N	To: ORCHARDVIEW LANE - 8	13.4				Length (ft):	813.4
3	Direction to: SouthEa	Subdivision:	FEHRW	OOD		Classification:	Local
	R.O.W Width (ft): 50.0					Travel Lanes:	2
۲ ۱	Type Of Median: None					Parking Lanes:	1
	Pavement Type: Composite	Width	(ft): 2	3.0		No. of Layers:	3
	Pavement Layer	Туре			Thickness	Date Con	structed
	Subgrade Basecourse Surface	Subgrade Concrete Asphalt			6.5 2.5	09/0	1/199 1/199 1/199
	Area(yd²): 2078.69	Features:					
	Туре	Width (in)	C	Ту	oe .		Length (ft)
1	Left Earthwork	13.50	R	Left Roll	ed Concrete	-	813.4
	Right Earthwork	13.50		Right Roll	ed Concrete		813.4
	Average Daily Traffic (ADT): 230		S T R	No. of Culv	rerts:	No. of Dr	iveways: 31
ı		Route: No 1990	U C T	No. of Brid	ges:	No. of RR	t-Xings:
1	No. of Traffic Signs:		U R E	No. of Inlet	s: 6	No. of Ma	nholes:

Condition Rating Form

Section Number:

348.00

State Route:

83

Survey Date: 11/15/1994

Name: SHADYLAWN TERRACE

Jurisdiction: Township

From: END (NORTH)

Length(ft): 813.40

To:

ORCHARDVIEW LANE - 813.4

Area(yd2): 2078.69

Ride Quality Index(RQI):

% Curb Deterioration: 0

Maintenance Index(Mi):

Maintenance Factor(MF):

1.0

Classification: Local

Class Factor(FC):

1.0

Average Daily Traffic(ADT): 230

Traffic Factor(TF):

Transit/Bus Route: No

Transit Factor(TR): 1.0

Pavement Type: Composite

Unit Cost: \$ 15.50

	Distress Type	Category	Severity	Extent	Deduction		PCI	Condition
>>	Ravelling	1	1	4	2.00	Surface:	86.00	Fair
>>	Bond Loss	1	2	2	9.00	Joint	68.65	Poor
>>	Patch Deterioration	1	2	1	3.00			
	Corrugation or Slippage Cracking	1				Support:	71.10	Failed
>>	Transverse Cracking	2	2	1	7.35	Structure:	67.29	Failed
	Longitudinal Cracking	2				Final:	25.75	Very Poor
>>	Reflective Cracking	2	2	4	24.00			
>>	Pumping	2	1	1	3.00	Priority Index(P	l): 4.66	
>>	Settlement	2	2	1	5.40	Strategy: D		
>>	Shattered/Swell Slab	2	2	4	17.50	Cost: \$ 32219.70	n	
>>	Potholes	1	2	1	3.00	Maintenance	Crack Sealin	g
							Overlay	

Cracks:

Not Sealed

Rated By: DAS Consult, Inc. - RAJ

Overlay

Legend

1 = Worst

5 = Best

RQI: MI/MF:

0 = Least Needed

5 = Most Needed

MF = 1 + (MI/10)

Severity:

0 = None

1 = Low

2 = Moderate

3 = High

Category:

Extent:

1 = Surface Related 0 = None

2 = Structural Related

3 = 26-50%

4 = 51-100%

Strategy/ A1= No Maintenance/\$ 0.00

1 = 1-5% 2 = 6-25%

Unit Cost: B = Periodic Maintenance/\$ 0,43

A = Routine Maintenance/\$ 1.18 C = Deferred Action/\$ 0.15

D = Rehabilitation/\$15.50

E = Reconstruction/\$ 53.00

PCI = 100 - Sum(deduct values)

PCI = 1 if zero

PI = 1/PCI * TR * TF * FC * MF * 100

Cost = Unit Cost * Area

Remarks:

Road Inventory Form

S C T	Section Number: 349.00 Name: SHADYLAWN TERRACE	State Route: 83		Inventory Date: Completed By:	02/27/199 DAS
	From: ORCHARDVIEW LANE - 8	313.4		Jurisdiction:	Township
O N	To: END (EAST) - 1450.4			Length (ft):	637.0
G E N	Direction to: East	Subdivision: FEHI	RWOOD	Classification:	Local
E	R.O.W Width (ft): 50.0			Travel Lanes:	2
A	Type Of Median: None	Parking Lanes:	1		
P A	Pavement Type: Composite	Width (ft):	23.0	No. of Layers:	3
V E	Pavement Layer	Туре	Thickness	Date Con	structed
- - M	Subgrade Basecourse Surface	Subgrade Concrete Asphalt	6.5 2.5	09/0	 1/199 1/199 1/199
E N T	Area(yd²): 1627.89	Features:			
SH	Туре	wiath (in)	Туре	1	Length (ft)
0	Left Earthwork		R B Left Rolled Concrete	•	637.0
D E R	Right Earthwork	13.00	Right Rolled Concrete		637.0
T R	Average Daily Traffic (ADT): 110	Í I	S T No. of Culverts:	No. of Dr	iveways: ²²
A	% Trucks: 1.0 Bus		U No. of Bridges:	No. of RR	?-Xinas
F	Study: Estimate Year	: 1990	T U	.101 01 111	
l C	No. of Traffic Signs:		R No. of Inlets: 4	No. of Ma	nholes:

Condition Rating Form

Section Number:

349.00

State Route:

83

Survey Date: 11/15/1994

Name: SHADYLAWN TERRACE

Jurisdiction: Township

From: ORCHARDVIEW LANE - 813.4

Length(ft): 637.00

END (EAST) - 1450.4

Area(yd2): 1627.89

Ride Quality Index(RQI):

To:

% Curb Deterioration:

Maintenance Index(MI):

Maintenance Factor(MF):

1.0

Classification: Local

Class Factor(FC):

1.0

Average Daily Traffic(ADT): 110

Traffic Factor(TF):

Transit/Bus Route: No

Transit Factor(TR): 1.0

Pavement Type: Composite

Unit Cost: \$ 53.00

	Distress Type	Category	Severity	Extent	Deduction		PCI	Condition
>>	Ravelling	1	2	4	10.00	Surface:	81.60	Poor
>>	Bond Loss	1	2	1	5.40	Joint	68.65	Poar
>>	Patch Deterioration Corrugation or Slippage Cracking	1	2	1	3.00	Support:	74.65	Failed
>>	Transverse Cracking	2	2	1	7.35	Structure:	69.31	Failed
	Longitudinal Cracking	2		•	,,,,,	Final:	24.90	Failed
>>	Reflective Cracking	2	2	4	24.00			
>>	Pumping	2	3	2	10.00	Priority Index(PI)	: 4.82	
>>	Settlement	2	1	1	3.60	Strategy: E		
>>	Shattered/Swell Slab	2	2	2	8.75	Cost: \$86278.17		
>>	Potholes	1	2	1	3.00	Maintenance	econstruct	ion

Cracks:

Not Sealed

Rated By: DAS Consult, Inc. - RAJ

Legend

1 = Worst

5 = Best

RQI: MI/MF:

0 = Least Needed

5 = Most Needed

MF = 1 + (MI/10)

Severity:

0 = None

1 = Low

2 = Moderate

3 = High

1 = Surface Related

Extent:

Category:

0 = None

2 = 6-25%

4 = 51-100%

1 = 1-5%

2 = Structural Related

3 = 26-50%

Strategy/ A1= No Maintenance/\$ 0.00

A = Routine Maintenance/\$ 1.18

Unit Cost: B = Periodic Maintenance/\$ 0.43

C = Deferred Action/\$ 0.15

D = Rehabilitation/\$15.50

E = Reconstruction/\$ 53.00

PCI = 100 - Sum(deduct values)

PCI = 1 if zero

PI = 1/PCI * TR * TF * FC * MF * 100

Cost = Unit Cost * Area

Remarks:

Road Inventory Form

S	Section Number: 350.00	State Route: 85		Inventor	/ Date: 02/24/199
C	Name: CLAYMORE TERRACE			Complete	ed By: DAS
1	From: SHADYLAWN TERRACE			Jurisdict	ion: Township
И	To: END - 516.5			Length (i	t): 516.5
G E N	Direction to: North	Subdivision: FER	RNWOOD	Classific	ation: Local
ER	R.O.W Width (ft): 50.0			Travel La	ines: 2
A L	Type Of Median: None			Parking l	_anes: 1
P	Pavement Type: Composite	Width (ft):	: 25.0	No. of La	yers: 3
V E	Pavement Layer	Type Thickness		kness D	ate Constructed
- - M	Subgrade Basecourse Surface	Subgrade Concrete Asphalt	6.5 1.5		09/01/199 09/01/199 09/01/199
E N T	Area(yd²): 1434.72	Features:			
S	Туре	Width (in)	Type		Length (ft)
0	Left Earthwork	12.50	R Left Rolled Co	ncrete	516.5
L D E R	Right Earthwork	12.50	Right Rolled Co	ncrete	516.5
T R	Average Daily Traffic (ADT): 42	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	S T No. of Culverts:	N	o. of Driveways: ¹⁶
A F			U C No. of Bridges:	N.	o. of RR-Xings:
F	Study: Estimate Year No. of Traffic Signs:	: 1990	T U R No. of Inlets:	4 N	o. of Manholes:
c			E		

Condition Rating Form

Name: CLAYMORE TERRACE

350.00

From: SHADYLAWN TERRACE

To: END - 516.5

Section Number:

Ride Quality Index(RQI):

Maintenance Index(Mi): Classification: Local

Average Daily Traffic(ADT): 42

Transit/Bus Route: No

Pavement Type: Composite

State Route:

Survey Date: 11/15/1994

Jurisdiction: Township

Length(ft): 516.50

Area(yd²): 1434.72

% Curb Deterioration: 50

Maintenance Factor(MF): 1.0

Class Factor(FC): 1.0

Traffic Factor(TF): 1

Transit Factor(TR): 1.0

Unit Cost: \$ 53.00

Distress Type	Category	Severity	Extent	Deduction		PCI	Condition
> Ravelling	1	2	4	10,00	Surface:	78.00	Poor
> Bond Loss	1	2	2	9.00	Joint	68.65	
> Patch Deterioration	1	2	1	3.00		00.00	Poor
Corrugation or Slippage Cracking	1		·	0.00	Support:	72.40	Failed
> Transverse Cracking	2	2	1	7.35	Structure:	66.31	Failed
Longitudinal Cracking	2			,,22	Final:	19.05	Failed
> Reflective Cracking	2	2	4	24.00			, 4,100
> Pumping	2	3	2	10.00	Priority Index(PI):	5.25	
> Settlement	2	1	1	3.60	Strategy: E		
> Shattered/Swell Slab	2	2	3	14.00	Cost: \$ 76040.16		
Potholes	1				Cost; \$ 76040, 16		
	·				Maintenance Action(s): Re	construct	ion

Cracks: Not Sealed

Rated By: DAS Consult, Inc. - RAJ

Legend

1 = Worst RQI:

5 = Best

MI/MF:

0 = Least Needed

5 = Most Needed

MF = 1 + (MI/10)

Severity:

0 = None

1 = Low

2 = Moderate

Category:

1 = Surface Related

3 = High

Extent:

0 = None

2 = Structural Related

3 = 26-50%

4 = 51-100%

1 = 1-5% 2 = 6-25%

Strategy/ A1= No Maintenance/\$ 0.00

Unit Cost: B = Periodic Maintenance/\$ 0.43

D = Rehabilitation/\$15.50

C = Deferred Action/\$ 0.15 E = Reconstruction/\$ 53.00

A = Routine Maintenance/\$ 1.18

PCI = 1 if zero

PCI = 100 - Sum(deduct values) PI = 1/PCI * TR * TF * FC * MF * 100

Cost = Unit Cost * Area

Road Inventory Form

S	Section Number: 351.00	State Route:	84			Inventory Date:	02/23/199
	Name: ANGELNOOK DRIVE					Completed By:	DAS
l	From: SHADYLAWN TERRACE					Jurisdiction:	Township
C N	To: END - 201.5					Length (ft):	201.5
3	Direction to: SouthWe	Subdivision: F	ERNW	OOD		Classification:	Local
1	R.O.W Width (ft): 50.0					Travel Lanes:	1
\ \ -	Type Of Median: None					Parking Lanes:	1
,	Pavement Type: Rigid	Width (ft): 2	5.0		No. of Layers:	2
/ E	Pavement Layer	Туре			Thickness	Date Con	structed
E - M E	Subgrade Surface	Subgrade Concrete			7.0		1/199 1/199
1	Area(yd²): 559.72	Features:					
i	Туре	Width (in)	CU		Туре		Length (ft)
,	Left Earthwork	12.50	R B	Left	Rolled Concrete	-	201.5
3	Right Earthwork	12.50	l	Right	Rolled Concrete		201.5
1	Average Daily Traffic (ADT): 16	, , , , , , , , , , , , , , , , , , ,	S T R	No. of	Culverts:	No. of Dri	veways: 6
		Route: No : 1990	C	No. of	Bridges:	No. of RR	-Xings:
	No. of Traffic Signs:		U R E	No. of	inlets: 2	No. of Ma	nholes:

Condition Rating Form

Section Number: 351.00 State Route:

84

Survey Date: 11/15/1994

Name: ANGELNOOK DRIVE

Jurisdiction: Township

From: SHADYLAWN TERRACE

Length(ft): 201.50

To: END - 201,5 Area(yd2): 559.72

Ride Quality Index(RQI):

% Curb Deterioration:

Maintenance Index(MI):

Maintenance Factor(MF): 1.0

Classification: Local

Class Factor(FC):

1.0

Average Daily Traffic(ADT):

Traffic Factor(TF):

Transit Factor(TR): 1.0

Pavement Type: Rigid

Transit/Bus Route: No

Unit Cost: \$ 53.00

Distress Type	Category	Severity	Extent	Deduction		PCI	Condition
Scaling or Map Cracking	1				Surface:	85.00	Fair
> Patch Deterioration	1	3	2	15.00	Joint	64.20	Very Poor
Popouts	1						•
> Spalling	1	3	3	9.00	Support:	68.85	Failed
> Joint Sealant Damage	1	3	4	10.00	Structure:	70.61	Very Poor
Transverse Cracking	2				Final:	18.05	Failed
Longitudinal Cracking	2						
> Durability 'D' Cracking	2	2	3	16.80	Priority Index(Pi):	5.54	
> Pumping	2	2	2	8.75	Strategy: E		
> Faulting	2	3	3	20.00	Cost: \$ 29665.16		
> Settlement (Depression & Swell)	1	1	1	2.40			
Blow_ups	2				Maintenance Action(s): Re	econstruct	tion

Cracks: Not Sealed

Rated By: DAS Consult, Inc. - RAJ

Legend

RQI:

1 = Worst

5 = Best

MI/MF:

0 = Least Needed

5 = Most Needed

MF = 1 + (MI/10)

Severity:

0 = None

1 = Low

2 = Moderate

3 = High

Category:

1 = Surface Related

2 = Structural Related

Extent:

0 = None

1 = 1-5%

2 = 6-25%

3 = 26-50%

4 = 51-100%

Strategy/ A1= No Maintenance/\$ 0.00

A = Routine Maintenance/\$ 1.18

Unit Cost: B = Periodic Maintenance/\$ 0.43

D = Rehabilitation/\$10.50

C = Deferred Action/\$ 0.15

E = Reconstruction/\$ 53.00

PCI = 100 - Sum(deduct values)

PCI = 1 if zero

PI = 1/PCI * TR * TF * FC * MF * 100 Cost = Unit Cost * Area



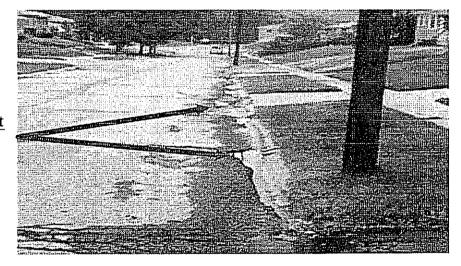
OPWC 1	NO. PROJECT NAME	BID	DATE STATUS
CB114	Covedale Rd Recon.	05/30/90	Completed on schedule
CB224	Viewland Sub. Recon	07/11/90	Completed on schedule
CB203	Faysel Dr. Recon	02/13/91	Completed on schedule
CB319	Orchardview Ln. Recon.	07/31/91	Completed on schedule
CB333	Elm/Plum Sts. Recon.	07/31/91	Completed on schedule
CBD05	Duebber Sub. Recon.	08/26/92	Completed on schedule
CBD06	Brairhill/Anders Recon.	08/26/92	Completed on schedule
CB619	Halidonhill/Glenoaks	06/30/93	Completed on schedule
CB620	Mapleton/Groton Recon.	06/30/93	Completed on schedule
CB701	Covedale West Recon.	11/08/93	Project 90% completed
CB719	Chantilly Sub. Recon.	11/08/93	Completed on schedule
CBF07	Ihle Dr. Recon.	09/01/94	Completed on schedule
CB817	Victory Dr. Recon	11/30/94	Completed on schedule
CB905	Copperfield Drain. Imps.	06/30/96	Completed on schedule

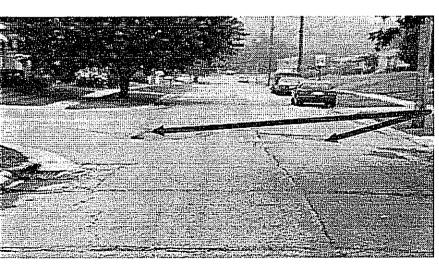
Shadylawn Terrace Photos



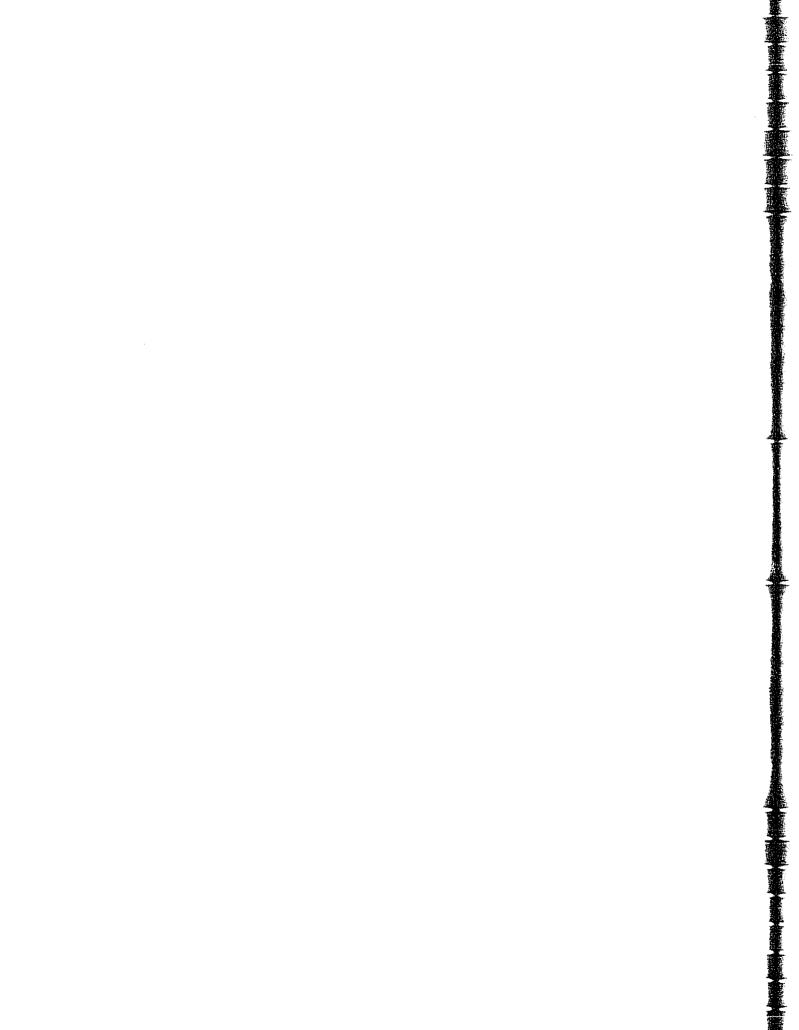
Failed joints, curb and pavement all due to failed base (see P.M.S. support p.c.i.)

Failed overlay allows water to collect causing severe winter icing problems

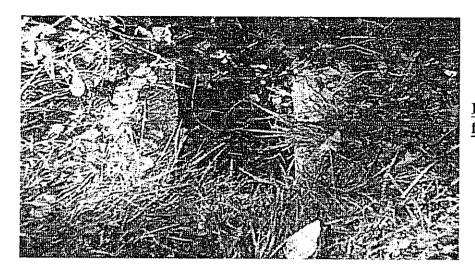




Faulted and dropped slabs allow water/ice to pond in intersection



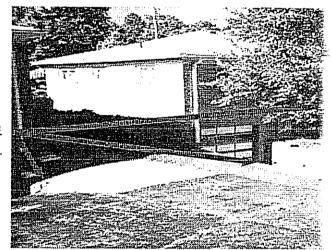
Shadylawn Drainage Problem

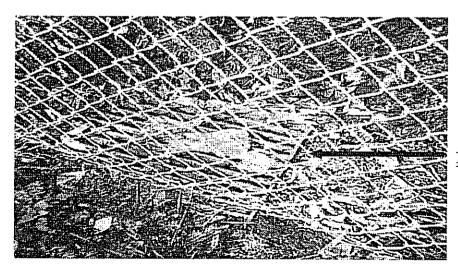


Failed pipe inlet which cause flooding in basements on Sha

Driveways decline to basement areas where flooding occured due to inadequate 6" diameter pipe

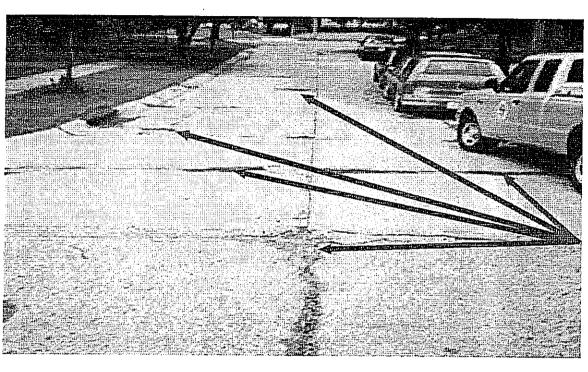
Appendigues apply



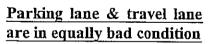


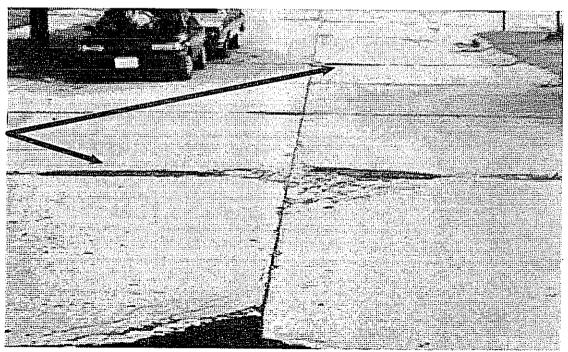
Drainage inlet for 6" diameter

Angelnook Drive Photos



Joint blowup is prominent

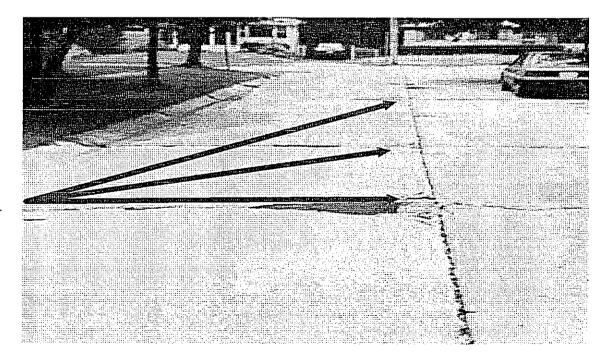




Angelnook Drive Photos



Typical crazing/block cracking



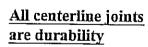
All centerline joints are durability

ı

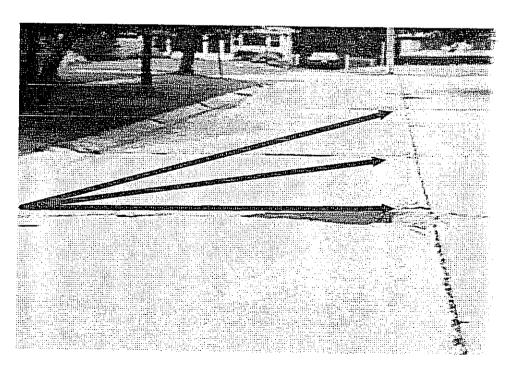
Angelnook Drive Photos



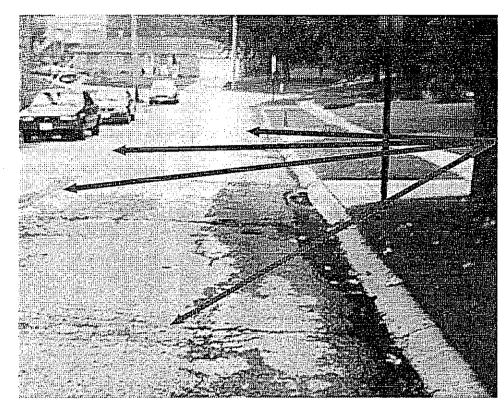
Typical crazii cracking



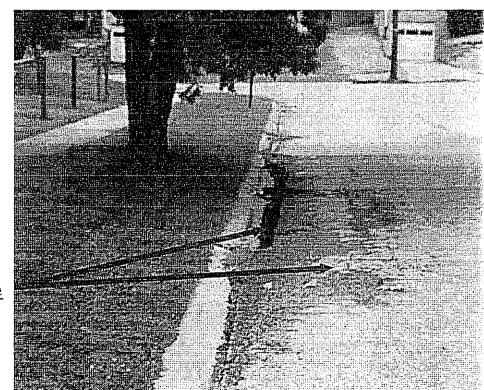
Jikistijoonijajuiti



Claymore Terrace Photos

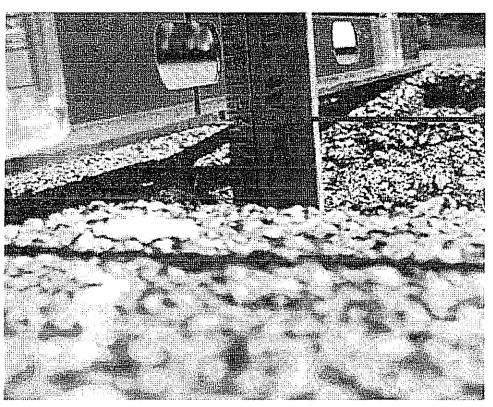


Overlay is masking severe joint deterioration and block cracking and slab movemnet



Problems in gutterline due to large voids under pavement

Claymore Terrace Photos



Pavement thickness is 8 inches - Ruler reads 28 & 7/8 inches to subgrade - Void equals 20 & 7/8 inches

SCIP/LTIP PROGRAM ROUND 11 - PROGRAM YEAR 1997 PROJECT SELECTION CRITERIA JULY 1, 1997 TO JUNE 30, 1998

ADOPTED BY THE INTEGRATING COMMITTEE May 24, 1996

	JURISDICTION/AGENCY: DEL HII NAME OF PROJECT: FRIIM WOOD S	Township	
	NAME OF PROJECT: FAITH WOOD S	SUEDIWISION STATE	RECONSTR.
	PRELIMINARY SCORE FOR THIS PROJECT		
	FINAL SCORE FOR THIS PROJECT:		
	RATING TEAM: 3		
1)	If SCIP/LTIP funds are granted, wh contract be awarded?	en would the construction	POINTS 10/10
	10 Points - Will be under contract delinquent projects in	by end of 1997 and no Rounds 8 & 9.	
	5 Points - Will be under contract jurisdiction has had or Rounds 8 & 9.	by March 30, 1998 and/or ne delinquent project in	
	O Points - Will not be under control jurisdiction has had me in Rounds 8 & 9.	ract by March 30, 1998 and ore than one delinquent pr	/or oject
2)	What is the physical condition of to be replaced or repaired?	the existing infrastructur	e 1 <i>6/</i> 2
	25 Points - Failed 23 Points - Critical 20 Points - Very Poor 17 Points - Poor 15 Points - Moderately Poor 10 Points - Moderately Fair 5 Points - Fair Condition 0 Points - Good or Better		Please Agree 19th 19th 19th 19th 19th 19th 19th 19th

NOTE: If the infrastructure is in "good" or better condition, it will NOT be considered for SCIP/LTIP funding unless it is an expansion project that will improve serviceability.

If the project is built, what will be its effect on the facility's 3) serviceability? Documentation is required. 5 Points - Project design is for future demand. 4 Points - Project design is for partial future demand. 3 Points - Project design is for current demand. 2 Points - Project design is for minimal increase in capacity. 1 Point - Project design is for no increase in capacity. How important is the project to HEALTH, SAFETY, AND WELFARE of the 4) Matrealiz public and the citizens of the District and/or service area? 10 Points - Highly significant importance, with substantial impact on all 3 factors. 8 Points - Considerably significant importance, with substantial impact on 2 factors, or noticeable impact on all 3 factors. 6 Points - Moderate importance, with substantial impact on 1 factor or noticeable impact on 2 factors. 4 Points - Minimal importance, with noticeable impact on 1 factor 2 Points - No measurable impact What is the overall economic health of the jurisdiction? 5) 10 Points 8 Points 6 Points 4 Points 2 Points 1/5 What matching funds are being committed to the project, expressed as 6) as a percentage of the TOTAL CONSTRUCTION COST? Loan and Credit Enhancement projects automatically receive 5 points, and no match is required. All grant funded projects require a minimum of 10% matching funds.

5 Points - 50% or more 4 Points - 40% to 49.99% 3 Points - 30% to 39.99% 2 Points - 20% to 29.99% 1 Point - 10% to 19.99%

0/5-

7) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure? POINTS MAY ONLY BE AWARDED IF THE END RESULT OF THE PROJECT WILL CAUSE THE BAN TO BE LIFTED.

 \bigcirc

- 5 Points Complete ban 3 Points - Partial ban
- 0 Points No ban of any kind
- 8) What is the total number of existing daily users that will benefit as a result of the proposed project? Appropriate criteria include current traffic counts, households served, when converted to a measurement of persons. Public transit users are permitted to be counted for the roads and bridges, but only when certifiable ridership figures are provided.

1/5

1/5

- 5 Points 16,000 or more
- 4 Points 12,000 to 15,999
- 3 Points 8,000 to 11,999
- 2 Points 4,000 to 7,999
- 1 Point 3,999 and under
- 9) Does the infrastructure have regional impact? Consider originations and destinations of traffic, functional classifications, size of service area, number of jurisdictions served, etc.
 - 5 Points Major impact
 - 4 Points -
 - 3 Points Moderate impact
 - 2 Points -
 - 1 Point Minimal or no impact
- 10) Has the jurisdiction enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or a dedicated tax for infrastructure and provided certification of which fees have been enacted?
- 2/2

- 5 Points Two of the above
- 3 Points One of the above
- 0 Points None of the above

ADDENDUM TO THE RATING SYSTEM DEFINITIONS/CLARIFICATIONS

Criterion 1 - ABILITY TO PROCEED

The Support Staff will assign points based on engineering experience and OPWC defined delinquent projects. A project is considered delinquent when it has not received a notice to proceed within the time stated on the original application and no time extension has been granted by the OPWC. A jurisdiction receiving approval for a project and subsequently cancelling the same after the bid date on the application may be considered as having a delinquent project.

Criterion 2 - CONDITION

Condition is based on the amount of deterioration that is field verified or documented exclusive of capacity, serviceability, or health, safety and welfare issues. Condition is rated only on the existing facility being repaired or abandoned. If the existing facility is not being abandoned or repaired, but a new facility is being built, it shall be considered as an expansion project. (Documentation may include ODOT BR-86 reports, pavement management condition reports, televised underground system reports, age inventory reports, maintenance records, etc., and will only be considered if included with the original application.)

Definitions:

<u>FAILED CONDITION</u> - Requires complete reconstruction where no part of the existing facility is salvageable. (e.g. Roads: complete reconstruction of roadway, curbs and base; Bridges: complete removal and replacement of bridge; Underground: removal and replacement of an underground drainage or water system; Hydrants: completely non-functioning and replacement parts are unavailable.)

CRITICAL CONDITION - Requires moderate or partial reconstruction to maintain integrity. (e.g. Roads: reconstruction of roadway, curbs can be saved; Bridges: removal and replacement of bridge with abutment modification; Underground: removal and replacement of part of an underground drainage or water system; Hydrants: some non-functioning, others obsolete and replacement parts are unavailable.)

<u>VERY POOR CONDITION</u> - Requires extensive rehabilitation to maintain integrity. (e.g. Roads: extensive full depth, partial depth and curb repair of a roadway with a structural overlay; Bridges: superstructure replacement; Underground: repair of joints and/or minor replacement of pipe sections; Hydrants: non-functioning and replacement parts are available.)

<u>POOR CONDITION</u> - Requires standard rehabilitation to maintain integrity. (e.g. Roads: moderate full depth, partial depth and curb repair to a roadway with no structural overlay needed or structural overlay with minor repairs to a roadway needed; Bridges: extensive patching of substructure and replacement of deck; Underground: insituform or other in ground repairs; Hydrants: functional, but leaking and replacement parts are unavailable.)

MODERATELY POOR CONDITION - Requires minor rehabilitation to maintain integrity. (e.g. Roads: minor full depth, partial depth or curb repairs to a roadway with either a thin overlay or no overlay needed; Bridges: major structural patching and/or major deck repair; Hydrants: functional and replacement parts are available.)

MODERATELY FAIR CONDITION - Requires extensive maintenance to maintain integrity. (e.g. Roads: thin or no overlay with extensive crack sealing, minor partial depth and/or slurry or rejuvenation; Bridges: minor structural patching, deck repair, erosion control.)

<u>FAIR CONDITION</u> - Requires routine maintenance to maintain integrity. (e.g. Roads: slurry seal, rejuvenation or routine crack sealing to the roadway; Bridges: minor structural patching.)

GOOD OR BETTER CONDITION - Little or no maintenance required to maintain integrity.

Criterion 4 - HEALTH, SAFETY & WELFARE

Definitions:

<u>SAFETY</u> - The design of the project will prevent accidents, promote safer conditions, and eliminate or reduce the danger of risk, liability, or injury.

EXAMPLES: Widening existing roadway lanes to standard lane widths; Adding lanes to a roadway or bridge to increase capacity or alleviate congestion; replacing old or non-functioning hydrants; increasing capacity to a water system, etc.

<u>HEALTH</u> - The design of the project will improve the overall condition of the facility so as to reduce or eliminate disease; or correct concerns regarding the environmental health of the area.

EXAMPLES: Improving or adding storm drainage or sanitary facilities; replacing lead joints in water lines;

<u>WELFARE</u> - The design of the project will promote economic well-being and prosperity.

EXAMPLES: Project has the potential to improve business expansions or opportunities in the area; project will improve the quality of life in the area;

<u>PLEASE NOTE:</u> The examples listed above are NOT a complete list, but only a small sampling of situations that may be relevant to any given project. Each project is looked at on an individual basis to determine if any aspects of this rating category apply.

Criterion 9 - REGIONAL IMPACT

Definitions:

<u>MAJOR IMPACT</u> - Roads: major multi-jurisdictional route, primary feed to an interstate, Federal Aid Primary routes; Underground: primary water or sewer main serving and entire system; Hydrants: multi-jurisdictional.

MODERATE IMPACT - Roads: principal thoroughfares, Federal Aid Urban routes; Underground: primary water or sewer main serving only part of a system; Hydrants: all hydrants in a local system serving only one jurisdiction.

<u>MINIMAL/NO IMPACT</u> - Roads: cul-de-sacs, subdivision streets; Underground: individual water or sewer main not part of a large system; Hydrants: only some hydrants in a local system serving only one jurisdiction.